WHAT IS CLAIMED IS

A method for accessing data from a network via a wireless communication link, the method comprising the steps of:

- (a) determining whether payload data has been received from a subscriber's terminal;
- requesting, based on said determining, a first set of traffic channels, the first set (b) of traffic channels including at least one traffic channel; and
- transmitting the data over the requested first set of traffic channels. (c)
- The method of claim 1, wherein the transmitted data is transmitted via Code Division 2. Multiple Access (CDMA) modulated radio signals.
- The method of claim 1, further comprising: 3.
 - transmitting a release of the first set of traffic channels after the data is (d) transmitted.
- The method of claim 3, further comprising: 4.
 - receiving an assignment of a second set of traffic channels, the second set of (e) traffic channels including at least one traffic channel; and
 - (f) receiving data of the second set of traffic channels.
- The method of claim/3, wherein said requesting is performed over a reverse control or 5. 1 non-traffic channel.

A method for accessing data of a computer network via a wireless communication link, the method comprising the steps of:

- constructing a first set of traffic channels, the set of traffic channels containing (a) at least one traffic channel;
- receiving, via the constructed first set of traffic channels, a request for a network (b) address: and
- receiving a release of the first set of traffic channels.

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| | The method of claim 6, wherein the request for a network address is received over a Code |
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| 1 7. | The method of claim 6, where the first the method of claim 6, where the method of claim 6, which is the method of claim 6, where the method of claim 6, where the method of claim 6, which is the met |
| 2 | Division Multiple Access (CDMA) modulated radio signals. |
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| 134, / | The method of claim 6, further comprising the steps of: |
| h 1 8. | are aggignment of a second set of traffic chamber, as |
| ÿ 2 | traffic channel, and |
| 1/13- | channels including at least one traffic channel; and (e) sending data associated with the requested network address over the second |
| XV | (e) sending data associated with the requested networks |
| 1/1/4 | plurality of traffic channels. |
| Jo. 5 | · /. |
| | A Earth or comprising: |
| 1 9. 1 2 | The method of claim 8, further comprising: |
| 1U 位 2 | The method of claim of the first plurality of traffic channels. (f) receiving a request for the first plurality of traffic channels. |
| | / / second set of traffic |
| | 0. The method of claim 8, wherein said sending an assignment of a second set of traffic |
| 111 | channels is sent via a forward control or non-traffic channel. |
| | <i>i i</i> |
| 1.22.3 122.2 122.2 | The method of claim 9, wherein the received request for the first plurality of traffic |
| 1 1 | 11. The method of claim 9, wherein the received request 1 |
| III ' | channels is received via/a reverse control or non-traffic channel. |
| 1 2 | |
| | 12. The method of claim 9, wherein the request for a first plurality of traffic channels |
| 1 | 12. The method of claim 3, where includes information as to the size and number of channels needed. |
| 2 | includes information as to the size and house |
| | wireless communication |
| . 1 | 13. An apparatus for accessing data of a computer network via a wireless communication |
| 1 | link, the apparatus comprising: |
| . 2 | |
| 3 | (a) a processor; and (b) a memory coupled to said processor, said memory storing instructions adapted to |
| 4 | |
| 5 | (b) a memory coupled to suppression and instructions including: be executed by said processor, said instructions including: |
| 6 | be executed by said processor, said instructions as been received from a subscriber's (I) determining whether payload data has been received from a subscriber's |
| 7 | terminal; |
| 7 | |
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| 8 | | (ii) requesting, based on the determination, a first set of traffic channels, the |
| 9 | | first set of traffic channels including at least one traffic channel; and |
| 10 | | (iii) transmitting the data over the requested first set of traffic channels. |
| 1 | 14. | The apparatus of claim 13, wherein the transmitted data is transmitted via Code Division |
| 2 | | Multiple Access (CDMA) modulated radio signals. |
| 1 | 15. | The apparatus of claim 13, said memory storing further instructions adapted to be |
| 2 | | executed by said processor, said further instructions including: |
| <u> </u> | | (iv) transmitting a release of the first set of traffic channels after the data is |
| | | transmitted. |
| 10 m: 1 | 16. | The apparatus of claim 15, said memory storing further instructions adapted to be |
| Ū2 | | executed by said processor, said further instructions including: |
| | | (v) receiving an assignment of a second set of traffic channels, the second set |
| □ . <u> </u> | | of traffic channels including at least one traffic channel; and |
| 3 4 4 5 5 0 | | (vi) receiving data over the second set of traffic channels. |
| 4 | | |
| 1 | 17. | The apparatus of claim 15, wherein said requesting is performed over a reverse control |
| 2 | | or non-traffic channel. |
| | | |
| 1 | J8. | An apparatus for accessing data of a computer network via a wireless communication |
| 2 | | link, the apparatus comprising: |
| 3 | | a a processor; |
| 4 | | b a memory coupled to said processor, said memory storing instructions adapted to |
| 5 | | be executed by said processor, the instructions including: |
| 6 | | (I) constructing a first set of traffic channels, the set of traffic channels |
| 7 | | containing at least one traffic channel; |
| 8 | | (ii) / receiving, via the constructed first set of traffic channels, a request for a |
| 9 | | network address; and |
| | | |

| 10 | | (iii) receiving a release of the first set of traffic channels. |
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| 1 | 19. | The apparatus of claim 18, wherein the request for a network address is received over a |
| 2 | | Code Division Multiple Access (CDMA) modulated radio signals. |
| | | |
| 1 | 20. | The apparatus of claim 18, said memory storing further instructions adapted to be |
| 2 | | executed by said processor, the further instructions comprising: |
| . 3 | | (iv) sending an assignment of a second set of traffic channels, the second set |
| 4 | | of traffic channels including at least one traffic channel; and |
| _ 5 | | (v) sending data associated with the requested network address over the |
| 196 195 1 | | second plurality of traffic channels. |
| ID IT | | |
| 12 1 | 21. | The apparatus of claim 20, further comprising: |
| 1 2 1 2 | | (vi) receiving a request for the first plurality of traffic channels. |
| | | |
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| 1 | 22. | The apparatus of claim 20, wherein said sending an assignment of a second set of traffic |
| | | channels is sent via a forward control or non-traffic channel. |
| | | |
| 1 | 23. | The apparatus of claim 21, wherein the received request for the first plurality of traffic |
| 2 | | channels is received via a reverse control or non-traffic channel. |
| | | |
| 1 | 24 | The apparatus of claim 21, wherein the request for a first plurality of traffic channels |
| 2 | | includes information as to the size and number of channels needed. |
| | | |
| 1 | 28. | A medium for accessing data from a network via a wireless communication link, the |
| 2 | | medium storing instructions adapted to be executed on a processor, the instructions |
| 3 | | comprising: |
| 4 | | (a) determining whether payload data has been received from a subscriber's terminal; |

| 5 | | (b) | requesting, based on the determination, a first set of traffic channels, the first set |
|-----------------------|-------|---------|--|
| 6 | | (0) | of traffic channels including at least one traffic channel; and |
| 7 | | (c) | transmitting the data over the requested first set of traffic channels. |
| , | | (0) | transmitting the data over the requested first set of transc chambers. |
| 1 | 26. | The n | nedium of claim 25, wherein the transmitted data is transmitted via Code Division |
| 2 | Multi | ple Acc | ess (CDMA) modulated radio signals. |
| 1 | 27. | The m | nedium of claim 25, said medium storing further instructions adapted to be executed |
| 2 | | on a p | processor, the further instructions comprising: |
| <u></u> 3 | | (d) | transmitting a release of the first set of traffic channels after the data is |
| <u></u> 4 | | | transmitted. |
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| | 28. | The n | nedium of claim 27, said medium storing further instructions adapted to be executed |
| IU .n.2 | | | processor, the further instructions comprising: |
| | | (e) | receiving an assignment of a second set of traffic channels the second set of |
| [] .[4 | | (-) | traffic channels including at least one traffic channel; and |
| 3 4 5 5 6 | | (f) | receiving data associated with the network address over the second set of traffic |
| ш Ф | | (-) | channels. |
| Ü | | | Charmers. |
| 1 | 29. | Then | nedium of claim 2/7, wherein said requesting is performed over a reverse control or |
| | 29. | | raffic channel. |
| 2 | | non-t | rame chamer. |
| 1 | 30. | A me | dium for accessing data of a computer network via a wireless communication link, |
| 2 | | the m | edium storing instructions adapted to be executed by a processor, the instructions |
| 3 | | comp | orising: |
| 4 | | (a) | constructing a first set of traffic channels, the set of traffic channels containing |
| 5 | | | at least one traffic channel; |
| 6 | | (b) | receiving, via the constructed first set of traffic channels, a request for a network |
| 7 | | | address; and |
| 8 | | (c) | receiving a release of the first set of traffic channels. |
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| 1 | 31. | The medium of claim 30, wherein the request for a network address is received over a | |
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| 2 | | Code Division Multiple Access (CDMA) modulated radio signals. | |
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| 1 | 32 | The medium of claim 30, said medium storing further instructions adapted to be executed | |
| 2 | | on a processor, the further instructions including: | |
| 3 | | (d) sending an assignment of a second set of traffic channels, the second set of traffic | |
| 4 | | channels including at least one traffic channel; and | |
| 5 | | (e) sending data associated with the requested network address over the second | |
| 6 1 2 3 | | plurality of traffic channels. | |
| ₽1 O | 33. | The medium of claim 32, said medium storing further instructions adapted to be executed | |
| 2 | | on a processor, the further instructions including: | |
| 3 | | (f) receiving a request for the first plurality of traffic channels. | |
| Εą. | | | |
| <u></u> | 34. | The medium of claim 32, wherein said sending an assignment of a second set of traffic | |
| 1 2 2 3 3 4 5 4 7 | | channels is sent via a forward control or non-traffic channel. | |
| 1 | 35. | The medium of plaim 34, wherein the received request for the first plurality of traffic | |
| 2 | | channels is received via a reverse control or non-traffic channel. | |